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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/529,707	03/29/2005	Sven Voigt	L-399	2019
7590	11/17/2006		EXAMINER ALLI, IYABO	
Elliott N Kramsky 5850 Canoga Avenue Suite 400 Woodland Hills, CA 91367			ART UNIT 2112	PAPER NUMBER

DATE MAILED: 11/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/529,707	VOIGT ET AL.
	Examiner	Art Unit
	IYABO S. ALLI	2112

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 3/29/2005.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-3 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-3 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 3/29/2005 is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 3/29/05.
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) Notice of Informal Patent Application
- 6) Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by **Chang et al.** (5,018,859).

Chang et al. discloses a fiber optic gyroscope balanced plural serrodyne modulators phase difference control comprising:

a method for regulating the operating frequency of a fiber optic gyroscope with a closed control loop in which the demodulated output signal of the FOG detector (Column 20, lines 4-8), is applied on the one hand to the input of an FOG main controller **29** and on the other hand (Column 26, lines 1-6), via a gating filter **24**, to a VCO that determines the system clock **33** of the FOG (Column 43, lines 9-13 and Fig. 1);

an output signal of the main controller **29**, as modulation signal, being fed to a digital phase modulator formed in a multifunctional integrated optical chip, and for the purpose of determining and regulating the exact operating frequency of the FOG (Column 15 & 16, lines 1-9 and Fig. 1);

a periodic additional modulation signal that is superposed on the demodulated detector output signal passing to the gating filter (Column 21, lines 1-6), characterized in that the additional modulation signal, as analog signal, is fed to separate phase correction electrodes formed in the multifunctional integrated optical chip (Column 37, lines 5-10 and Fig. 4);

a multifunctional integrated optical chip for a fiber optic gyroscope in which a phase modulator realized by electrodes arranged parallel to a light guiding path is implemented as at least one functional group, characterized in that an electrode pair arranged parallel to the light guiding path is present for applying a periodic additional modulation signal to a light beam on the light guiding path for the purpose of regulating the operation frequency of the gyroscope (Column 37, lines 5-13 and Figs. 4 & 5); and

a integrated optical chip characterized in that the additional electrode pair is arranged between the phase modulator and a beam splitter (Column 39, lines 7-13 and Fig. 5).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. **4,872,754; 5,022,754; US 2004/0246488 and 5,223,911.**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to IYABO S. ALLI whose telephone number is 571-270-1331. The examiner can normally be reached on M-Th 7:30am- 5:00pm; 1st F-OFF & 2nd F- 7:30-4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Terrell McKinnon can be reached on 571-272-4797. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



TERRELL L. MCKINNON
SUPERVISORY PATENT EXAMINER

IYABO S. ALLI
Examiner
Art Unit 2112
November 9, 2006

